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JAN 11 2005

GROSSMAN, TUCKER  
PERREAULT & PFLEGER, PLLC

Steven J. Grossman Ph.D. (NH)  
Teresa C. Tucker (NH)  
Donald J. Perreault (NH, MA)  
Edmund P. Pfleger (AZ)  
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Technical Specialist  
Richard Rhodes

## FACSIMILE TRANSMITTAL SHEET

**DELIVER THE FOLLOWING PAGES TO:**

NAME: Eleanor Willis

DATE: January 11, 2005

FIRM: USPTO - Petitions Office

FROM: Donald J. Perreault

PHONE NO: 703-305-9285

OUR REF: TCM161

FAX NO: 703-872-9306

YOUR REF: Serial No. 09/991,126

NUMBER OF PAGES INCLUDING COVER SHEET: 29

☐ For your information      ☐ Please phone upon receipt  
☒ Please acknowledge receipt      ☐

☐ Original will be sent by:☐ First Class Mail☐ Overnight Mail☐ Hand Delivery☒ This will be the only form of delivery of transmitted document.

Attached: Petition for Withdrawal of Abandonment (28 pgs) previously mailed on January 9, 2004. Eleanor Willis confirmed that \$130.00 was credited to our account, but there is no record of our Petition for Withdrawal of Abandonment.

**CONFIDENTIALITY NOTICE**

This facsimile is intended ONLY for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If the reader of this information is not the intended recipient or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any disclosure, copying, distribution, destruction or taking any action on the contents of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original facsimile to us at the above address via the U.S. postal service. Thank you.

# BEST AVAILABLE COPY

## Petition for Withdrawal of Abandonment

In Re Patent Appln. No. 09/991,126 Filed: 11/16/2001  
For: Raman Assisted EDFA System and Method  
Applicant: Nissov et al Docket: TCM161 [1021]

Received: 1) Petition for Withdrawal of Abandonment with Cert. of Mailing  
dated 1/9/2004 (3 pgs)  
2) Copy of Notice of Abandonment (1 pg)  
3) Copy of Response to Notice to File Missing Parts (4 pgs)  
4) Copy of fully executed Declaration and POA (5 pgs)  
5) Copy of Assignment & Assignment Recordation Cover Sheet (5  
pgs)  
6) Copy of Express Mail Label No. EV001787527US (1 pg)  
7) Copy of Confirmation Letter dated 1/5/04 from USPS (1 pg)  
8) Copy of original Notice of Recordation of Assignment Document  
(7 pgs)

1/9/2004 - jlh

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**JAN 11 2005**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT: NISSOV et al  
SERIAL NO.: 09/991,126  
FILING DATE: November 16, 2001  
TITLE: Raman Assisted EDFA System and Method  
ART UNIT: 2633  
DOCKET NO.: 1021

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**PETITION PURSUANT TO 37 CFR 1.81  
FOR WITHDRAWAL OF ABANDONMENT**

Dear Sir:

This is in response to the Notice of Abandonment mailed on December 17, 2003 in the above-referenced application. The Notice of Abandonment indicates that the application has been abandoned for failure to timely or properly reply to the Notice to File Missing Parts mailed on January 18, 2002. A copy of the Notice of Abandonment is enclosed.

Applicants respectfully submit that the Notice of Abandonment has been issued in error. In particular, on January 28, 2002, Applicants filed a timely and complete Response to the Notice to File Missing Parts using Express Mailing procedures. Applicants' response included a copy of the Notice to File Missing parts, along with a fully executed Declaration and Power of Attorney, an Assignment, an Assignment

Serial No. 09/991,126  
January 9, 2004  
Page 2 of 3

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Recordation Cover Sheet, and authorization to charge the required fees to Deposit  
Account No. 50-0309.

Enclosed is a copy of each of the following documents: (1) Notice to File Missing Parts of Nonprovisional Application dated January 18, 2002; (2) Applicants' Response to Notice to File Missing Parts of Nonprovisional Application bearing a Certificate of Express Mailing identifying Express Mail Label No. EV001787527US and dated January 28, 2002, (3) a copy of the fully executed Declaration and Power of Attorney submitted with Applicants' response to the Notice to File Missing Parts, (4) a copy of the Assignment and Assignment Recordation Form Cover Sheet submitted with Applicants' response to the Notice to File Missing Parts; (5) Express Mail Label No. EV001787527US showing a January 28, 2002 mailing date; (6) a confirmation letter dated January 5, 2004 from the U.S. Postal Service confirming delivery of "Express Mail item number EV001787527US" to "M. Boston" at the U.S. Patent Office on January 30, 2002; and (7) a copy of an original Notice of Recordation of Assignment Document indicating recordation of the enclosed assignment on January 28, 2003 at Reel 012548, Frame 0921.

Applicants respectfully submit that the confirmation letter from the U.S. Postal Service (item 6 above), combined with the Applicants' response bearing a "Certificate of Express Mailing 37 CFR §1.10" identifying Express Mail Label No. EV001787527US and dated January 28, 2002, establishes that Applicants made a timely and proper response to the Notice to File Missing Parts. In fact, it is quite clear that Applicants' response was received by the Patent Office. On April 4, 2002, the Patent Office issued the enclosed Notice of Recordation of Assignment Document confirming recordation of the

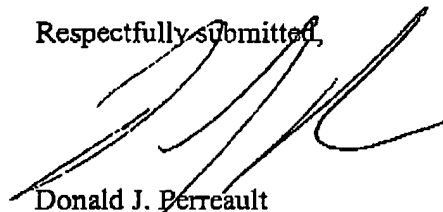
Serial No. 09/991,126  
January 9, 2004  
Page 3 of 3

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enclosed assignment on January 28, 2002 at Reel 012548, Frame 0921. As indicated in Applicants' response to the Notice to File Missing Parts, the Assignment recorded by the Patent Office was filed on January 28, 2002 in the same package as Applicants' response to the Notice to File Missing Parts.

In view of the above, Applicants hereby petition, pursuant to 37 CFR 1.81, for withdrawal of the Notice of Abandonment mailed December 17, 2003, and respectfully request that the application be forwarded to the appropriate Examining Attorney for prosecution as soon as possible.

Respectfully submitted,



Donald J. Perreault  
Attorney for Applicant  
Reg. No. 40,126  
Grossman, Tucker, Perreault &  
Pfleger, PLLC  
55 South Commercial Street  
Manchester, NH 03101  
Phone: 603.668.6560  
Fax: 603.668.2970

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on January 9, 2004 at Manchester, New Hampshire.

By: 

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JAN 11 2005



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/991,126	11/16/2001	Morten Nissov	1021

CONFIRMATION NO. 5214

ABANDONMENT/TERMINATION  
LETTER

\*OC000000011512523\*

John P. Maldjian  
Senior Patent and Trademark Counsel  
TyCom (US) Inc.  
250 Industrial Way West, Rm 2B-106  
Eatontown, NJ 07724

Date Mailed: 12/17/2003

**NOTICE OF ABANDONMENT UNDER 37 CFR 1.53 (f) OR (g)**

The above-identified application is abandoned for failure to timely or properly reply to the Notice to File Missing Parts (Notice) mailed on 01/18/2002.

- No reply was received.

A petition to the Commissioner under 37 CFR 1.137 may be filed requesting that the application be revived.

Under 37 CFR 1.137(a), a petition requesting the application be revived on the grounds of **UNAVOIDABLE DELAY** must be filed promptly after the applicant becomes aware of the abandonment and such petition must be accompanied by: (1) an adequate showing of the cause of unavoidable delay; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(l); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

Under 37 CFR 1.137(b), a petition requesting the application be revived on the grounds of **UNINTENTIONAL DELAY** must be filed promptly after applicant becomes aware of the abandonment and such petition must be accompanied by: (1) a statement that the entire delay was unintentional; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(m); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

Any questions concerning petitions to revive should be directed to the "Office of Petitions" at (703) 305-9282. Petitions should be mailed to: Mail Stop Petitions, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

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JAN 11 2005

1021

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: ) Group Art Unit: 2633  
Morten Nissov et al. ) Examiner: --  
Serial No.: 09/991,126 )  
Filed: November 16, 2001 )  
For: RAMAN ASSISTED EDFA )  
SYSTEM AND METHOD )

EV001787527US

Box Missing Parts  
Commissioner for Patents  
Washington, D.C. 20231

**RESPONSE TO NOTICE TO FILE MISSING  
PARTS OF NONPROVISIONAL APPLICATION**

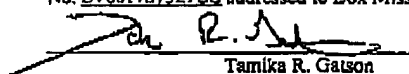
Sir:

In response to the Notice to File Missing Parts of Nonprovisional Application dated January 18, 2002, (copy enclosed), enclosed herewith is the Declaration and Power of Attorney, Assignment Recordation Cover Sheet and Assignment.

It is respectfully requested that these documents be made of record in the above-identified patent application.

**CERTIFICATE OF EXPRESS MAILING 37 CFR 51.10**

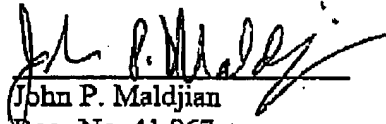
I hereby certify that the documents referenced herein are being deposited with the United States Postal Service, as Express Mail, mailing label No. EV001787527US addressed to Box Missing Parts, Commissioner for Patents, Washington, DC 20231 on January 28, 2002.

 (Depositor's Signature)  
Tamika R. Gatson

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The Commissioner is hereby authorized to charge the required surcharge of \$130.00 and any fees in connection with the filing of this paper or to credit any overpayment to Deposit Account No. 50-0309. A duplicate copy of this paper is enclosed.

Respectfully submitted,

  
John P. Maldjian  
Reg. No. 41,967

**MAILING ADDRESS:**

TyCom (US) Inc.  
250 Industrial Way West  
Room 2B-106  
Eatontown, NJ 07724  
Phone (732) 578-7809  
Fax (732) 578-7804



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## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/991,126	11/16/2001	Morten Nissov	1021

CONFIRMATION NO. 5214

## FORMALITIES LETTER



\*OC00000007330273\*

John P. Maldjian  
Senior Patent and Trademark Counsel  
TyCom (US) Inc.  
250 Industrial Way West, Rm 2B-106  
Eatontown, NJ 07724

Date Mailed: 01/18/2002

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

## Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 130.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
  - drawings submitted to the Office are not electronically reproducible. Drawing sheets must be submitted on paper which is flexible, strong, white, smooth, non-shiny, and durable (see 37 CFR 1.84(e));

*A copy of this notice **MUST** be returned with the reply.*

  
Customer Service Center

01/11/2005 13:25 FAX

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Page 2 of 2

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

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Attorney Docket No. 1021

**DECLARATION AND POWER OF ATTORNEY**

As below named inventors, we hereby declare that: our residence, post office address and citizenship are as stated below next to our names; we believe we are original inventors and first of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**RAMAN ASSISTED EDFA SYSTEM AND METHOD**

for which an application for United States Letters Patent was previously filed on November 16, 2001 and given Serial No. 09/991,126.

We hereby state that we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. We acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a) which states: "A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine: 1) prior art cited in search reports of a foreign patent office in a counterpart application, and 2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office,"

We hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one

country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

COUNTRY (if PCT indicate PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 USC 119
			<input type="checkbox"/> Yes <input type="checkbox"/> No

We hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, We acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

U.S. APPLICATIONS		STATUS (Check one)		
U.S. APPLICATION NUMBER	U.S. FILING DATE	PATENTED	PENDING	ABANDONED

PCT APPLICATIONS DESIGNATING THE U.S.		
PCT APPLICATION NUMBER	PCT FILING DATE	U.S. SERIAL NUMBER ASSIGNED (if any)

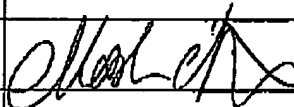
We hereby appoint the following attorney(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Daniel N. Daisak, Reg. No. 39,160, John P. Maldjian, Reg. No. 41,967. Please address all correspondence to:

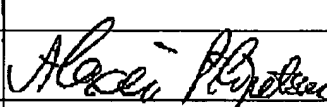
John P. Maldjian  
Senior Patent and Trademark Counsel  
TyCom (US) Inc.  
Rm 2B-106, 250 Industrial Way West  
Eatontown, NJ 07724


Please direct telephone calls to John P. Maldjian at (732) 578-7809.

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

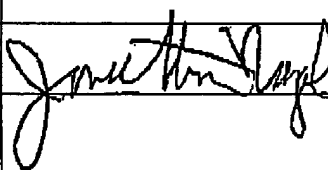
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Full Name of First Inventor: Morten Nissov	Inventor's Signature	Date
Citizenship: DENMARK		12/11/01
Residence: 6 Mark Place Ocean, NJ 07712		
Post Office Address: Same as above		

Full Name of Second Inventor: Alexei A. Pilipetskii	Inventor's Signature	Date
Citizenship: Russia		12/11/01
Residence: 16 Raleigh Pass Colts Neck, NJ 07722		
Post Office Address: Same as above		

Full Name of Third Inventor: Ekaterina Golovchenko	Inventor's Signature	Date
Citizenship: Russia		12/11/01
Residence: 16 Raleigh Pass Colts Neck, NJ 07722		
Post Office Address: Same as above		

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Full Name of Fourth Inventor: Jonathan Nagel	Inventor's Signature	Date
Citizenship: USA		1-15-02
Residence: 416 Clinton Street Brooklyn, NY 11231		
Post Office Address: Same as above		

Full Name of Fifth Inventor: Sergey Ten	Inventor's Signature	Date
Citizenship: <i>Russia</i>	<i>[Signature]</i>	<i>1/15/02</i>
Residence: 34 Barrington Road Horsehead, NY 14845		
Post Office Address: Same as Above		

Pocket No.: 1021

FORM PTO-1585 (Modified)  
(Rev. 6-93)  
OMB No. 0851-0011 (exp. 4/94)  
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POB/REV02

## CORDINATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

## PATENTS ONLY

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Morten Nissov  
Alexei Pilipetski  
Ekaterina Golovchenko  
Jonathan Nagel  
Sergey Ten

Additional names(s) of conveying party(ies) ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: January 24, 2002

## 2. Name and address of receiving party(ies):

Name: TyCom (US) Inc.

Internal Address: \_\_\_\_\_

Street Address: 10 Park Ave.City: Morristown State: NJ ZIP: 07960Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: 1/15/2002

## A. Patent Application No.(s)

## B. Patent No.(s)

09/991,126

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: John P. MaldjianInternal Address: Rm. 2B-106Street Address: 20 Industrial Way WestCity: Eatontown State: NJ ZIP: 07724

## 6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40.00

- ☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account  
☒ Authorized to be charged to deposit account

## 8. Deposit account number:

50-0309

DO NOT USE THIS SPACE

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

John P. Maldjian

Name of Person Signing

Signature

Date

4



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Attorney Docket No. 1021

**ASSIGNMENT**

WHEREAS We, the below named inventors, hereinafter referred to as Assignors, have made an invention entitled:

**RAMAN ASSISTED EDFA SYSTEM AND METHOD**

for which an application for United States Letters Patent was previously filed on November 16, 2001 and given Serial No. 09/991,126.

WHEREAS, TyCom (US) Inc., a corporation of Delaware whose post office address is 10 Park Avenue, Morristown, New Jersey 07960 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, We, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection

for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, We have hereunto set our hands.

Morten Nissov  
6 Mark Place  
Ocean, NJ 07712  
US

**TAMIKA R. GATSON**  
NOTARY PUBLIC OF NEW JERSEY  
Commission Expires 5/16/2005

Morten Nissov 12/14/01  
Morten Nissov Date

Subscribed and sworn to before me  
this 11<sup>th</sup> day of December, 2001.  
T. R. Gatson, Notary Public

Alexei Pilipetskii  
6 Raleigh Pass  
Colts Neck, NJ 07722  
US

**TAMIKA R. GATSON**  
NOTARY PUBLIC OF NEW JERSEY  
Commission Expires 5/16/2005

Alexei Pilipetskii 12/11/01  
Alexei Pilipetskii Dated

Subscribed and sworn to before me  
this 11<sup>th</sup> day of December, 2001.  
T. R. Gatson, Notary Public

Ekaterina Golovchenko  
16 Raleigh Pass  
Colts Neck, NJ 07722  
US

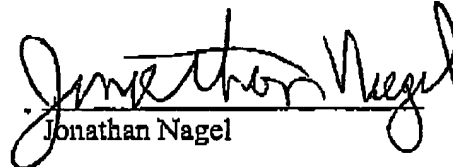
**TAMIKA R. GATSON**  
NOTARY PUBLIC OF NEW JERSEY  
Commission Expires 5/16/2005

Ekaterina Golovchenko 12/11/01  
Ekaterina Golovchenko Dated

Subscribed and sworn to before me  
this 11<sup>th</sup> day of December, 2001.  
T. R. Gatson, Notary Public

BEST AVAILABLE COPY

Jonathan Nagel  
416 Clinton Street  
Brooklyn, NY 11231  
US

-15-02  
Jonathan Nagel Date

Subscribed and sworn to before me  
this 15 day of January, 20 02

 Notary Public

**TAMIKA L. GATSON**  
NOTARY PUBLIC OF NEW JERSEY  
Commission Expires 5/16/2006



Acknowledgement Card  
Docket # 10021 Attorney SPM

Serial No. 99/99/126

Docket # 103

Attorney [Signature]

THE FOLLOWING HAS BEEN RECEIVED IN THE UNITED STATES PATENT AND TRADEMARK OFFICE ON  
THE DATE STAMPED HERE ON:

- ☐ EXPRESS MAIL CERTIFICATE  
☐ TRANSMITTAL LETTER WITH FILING FEE  
☐ SPECIFICATION \_\_\_\_\_ PAGES ☐ PROVISIONAL  
☐ \_\_\_\_\_ SHEETS OF DRAWINGS  
☒ DECLARATION AND POWER OF ATTORNEY  
☒ ASSIGNMENT  
☒ COPY OF NOTICE TO FILE MISSING PARTS  
☐ CERTIFIED COPY OF PRIORITY DOCUMENT  
☐ PRELIMINARY AMENDMENT  
☐ IDS ☐ SUPPLEMENTAL  
☐ LETTER ☐ TO OFFICIAL DRAFTS PERSON  
SHEETS OF DRAWINGS

- ☐ AMENDMENT/RESPONSE ☐ AFTER FINAL REJECTION
- ☐ EXTENSION OF TIME
- ☐ NOTICE OF APPEAL
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- ☐ PCT REQUEST
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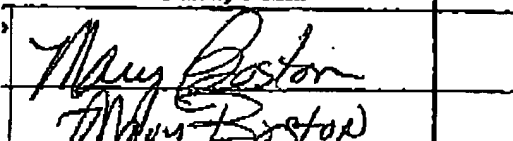
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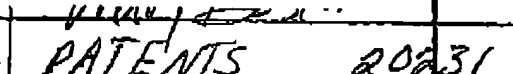
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APRIL 04, 2002

JOHN P. MALDJIAN  
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EATONTOWN, NJ 07724

PTAS

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By

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RECORDATION DATE: 01/28/2002

REEL/FRAME: 012548/0921  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
NISSOV, MORTEN

DOC DATE: 01/24/2002

ASSIGNOR:  
PILIPETSKII, ALEXEI

DOC DATE: 01/24/2002

ASSIGNOR:  
GOLOVCHENKO, EKATERINA

DOC DATE: 01/24/2002

ASSIGNOR:  
NAGEL, JONATHAN

DOC DATE: 01/24/2002

ASSIGNOR:  
TEN, SERGEY

DOC DATE: 01/24/2002

ASSIGNEE:  
TYCOM (US) INC.  
10 PARK AVE.  
MORRISTOWN, NEW JERSEY 07960

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012548/0921 PAGE 2

SERIAL NUMBER: 09991126  
PATENT NUMBER:

FILING DATE: 11/16/2001  
ISSUE DATE:

SHARON LATIMER, EXAMINER  
ASSIGNMENT DIVISION  
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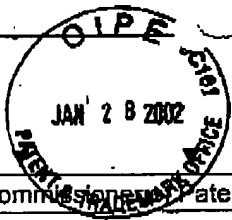


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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Morten Nissov  
Alexei Pilipetskii  
Ekaterina Golovchenko  
Jonathan Nagel  
Sergey Ten

1-28-02

Additional names(s) of conveying party(ies) ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: January 24, 2002

## 2. Name and address of receiving party(ies):

Name: TyCom (US) Inc.

Internal Address: \_\_\_\_\_

Street Address: 10 Park Ave.City: Morristown State: NJ ZIP: 07960Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: 1/15/2002

## A. Patent Application No.(s)

## B. Patent No.(s)

09/991,126Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: John P. MaldjianInternal Address: Rm. 2B-10602/07/2002 GT011 00000254 500309 0999112601 FC:581 40.00 CHStreet Address: 20 Industrial Way WestCity: Eatontown State: NJ ZIP: 077246. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41):.....\$ 40.00

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## 8. Deposit account number:

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## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

John P. Maldjian

Name of Person Signing

Signature

Date

Attorney Docket No. 1021

**ASSIGNMENT**

WHEREAS We, the below named inventors, hereinafter referred to as Assignors, have made an invention entitled:

**RAMAN ASSISTED EDFA SYSTEM AND METHOD**

for which an application for United States Letters Patent was previously filed on November 16, 2001 and given Serial No. 09/991,126.

WHEREAS, TyCom (US) Inc., a corporation of Delaware whose post office address is 10 Park Avenue, Morristown, New Jersey 07960 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, We, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection

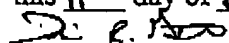
for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, We have hereunto set our hands.

Morten Nissov  
6 Mark Place  
Ocean, NJ 07712  
US

 12/11/01  
Morten Nissov Date


**TAMIKA R. GATSON**  
NOTARY PUBLIC OF NEW JERSEY  
Commission Expires 5/16/2005

Subscribed and sworn to before me  
this 11<sup>th</sup> day of December, 2001.  
, Notary Public

Alexei Pilipetskii  
6 Raleigh Pass  
Colts Neck, NJ 07722  
US

 12/11/01  
Alexei Pilipetskii Dated

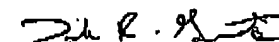
**TAMIKA R. GATSON**  
NOTARY PUBLIC OF NEW JERSEY  
Commission Expires 5/16/2005

Subscribed and sworn to before me  
this 11<sup>th</sup> day of December, 2001.  
, Notary Public

Ekaterina Golovchenko  
16 Raleigh Pass  
Colts Neck, NJ 07722  
US

 12/11/01  
Ekaterina Golovchenko Dated

**TAMIKA R. GATSON**  
NOTARY PUBLIC OF NEW JERSEY  
Commission Expires 5/16/2005

Subscribed and sworn to before me  
this 11<sup>th</sup> day of December, 2001.  
, Notary Public

Jonathan Nagel  
416 Clinton Street  
Brooklyn, NY 11231  
US

Jonathan Nagel - 15-02  
Jonathan Nagel Date

Subscribed and sworn to before me  
this 15<sup>th</sup> day of January, 2002

Tamika R. Gaison, Notary Public

**TAMIKA R. GAISSON**  
**NOTARY PUBLIC OF NEW JERSEY**  
Commission Expires 5/16/2008

Sergey Ten  
34 Barrington Road  
Horsehead, NY 14845  
US

 1/24/02  
Sergey Ten Date

Subscribed and sworn to before me  
this 24th day of January, 2002.

, Notary Public

KAREN M. GEROW  
Notary Public, State of New York  
Qualified in Seneca County No. 0022000002  
My Commission Expires May 18, 2003